



North End Water Pollution Control Centre
Final Effluent Monitoring Report
October 2024

Licence # 2684 RRR	File # 1071.1	24 Hour Composite							Grab Sample			
Date	Raw Sewage Daily Flow	TSS	BOD5	cBOD5	Ammonia	Ortho Phosphorus	Total Phosphorus	Total Nitrogen	Temp.	pH	Fecal Coliform	E.Coli
	ML	(mg/L)	(mg/L)	(mg/L)	(kg NH3-N/day)	(mg/L-P)	(mg/L-P)*	(mg/L-N)*	(°C)	(units)	MPN/100 mL	
01-Oct-24	143.2	11	23	5	3,494	3.43	2.64	38.6	20.2	6.66	80	150
02-Oct-24	153.4	13	29	6	4,019	4.00	2.74	38.6	20.2	6.73	560	500
03-Oct-24	141.4	9	28	6	3,889	4.17	2.87	38.6	20.2	6.74	290	340
04-Oct-24	143.5	11	13	5	4,449	4.33	3.01	38.5	20.0	6.60	170	160
05-Oct-24	140.4	12	12	4	4,338	4.41	3.13	38.4	20.1	6.71	140	130
06-Oct-24	140.4	10	13	4	4,310	2.92	3.22	38.6	19.8	6.75	170	160
07-Oct-24	137.8	16	8	<4	4,024	nr	3.31	38.7	19.7	6.66	1,350	5,170
08-Oct-24	137.4	10	8	<4	3,971	4.07	3.42	38.8	19.8	6.70	2,360	2,990
09-Oct-24	136.7	13	11	4	4,361	4.75	3.54	39.0	19.9	6.69	2,480	1,560
10-Oct-24	135.3	13	8	4	4,505	4.98	3.69	39.3	20.2	6.72	120	60
11-Oct-24	135.3	12	8	<4	4,438	5.13	3.81	39.3	20.0	6.68	2,250	1,500
12-Oct-24	198.2	42	38	23	6,005	5.26	3.94	39.1	20.0	6.69	50	50
13-Oct-24	148.3	9	7	4	2,477	2.37	3.96	38.3	17.6	6.62	330	350
14-Oct-24	131.9	9	6	4	3,139	3.50	4.00	38.1	18.5	6.62	20	40
15-Oct-24	140.5	10	7	<4	3,934	2.98	4.00	38.0	18.9	6.73	20	10
16-Oct-24	142.8	9	10	<4	4,470	2.77	3.99	38.3	19.0	6.69	60	120
17-Oct-24	141.0	10	12	<4	4,371	3.13	4.03	39.2	19.3	6.67	80	100
18-Oct-24	137.6	9	nr	nr	4,238	3.39	4.10	40.0	19.4	6.66	50	100
19-Oct-24	137.0	8	13	4	4,096	3.56	4.16	40.6	19.5	6.65	80	40
20-Oct-24	139.1	10	14	4	4,103	2.84	4.18	41.0	19.7	6.68	50	20
21-Oct-24	139.9	8	14	4	4,099	2.51	4.19	41.7	19.6	6.50	80	40
22-Oct-24	179.0	14	20	6	5,352	2.97	4.22	42.3	19.2	6.57	>24,200	>24,200
23-Oct-24	140.6	8	12	<4	3,585	2.42	4.19	42.8	18.5	6.56	160	120
24-Oct-24	137.1	8	13	4	3,962	2.56	4.16	43.1	19.1	6.66	40	40
25-Oct-24	136.4	8	14	5	4,365	4.21	4.17	43.6	19.2	6.58	20	20
26-Oct-24	133.7	10	15	5	4,145	4.93	4.19	44.0	19.4	6.60	<10	<10
27-Oct-24	131.9	10	14	5	3,865	nr	4.23	44.3	19.4	6.60	230	340
28-Oct-24	136.5	10	13	5	3,781	4.84	4.25	44.2	19.3	6.63	<10	10
29-Oct-24	138.9	12	18	5	4,223	5.07	4.29	44.6	18.4	6.58	130	160
30-Oct-24	142.3	12	14	5	4,639	5.22	4.32	45.0	19.2	6.59	<10	10
31-Oct-24	132.2	10	15	5	4,164	4.19	4.37	45.5	19.1	6.58	<10	10
Max:	198.2											
Min:	131.9											
Average:	142.2	11	14	5	4,155	3.82			19.4	6.65		
Total Flow:	4,409.7											
Geo.Mean:											112	120

Notes:

(1) Effluent ammonia load based upon Raw Sewage flows and Final NH3-N concentrations

(2) nr - not recorded or no result; na - not analyzed; ns - no sample; o/l - offline; im - instrument maintenance

(3) Raw wastewater flows in excess of 400 ML/D will by-pass the secondary process and flows in excess of 675 ML/D will cause raw sewage to by-pass the

(4) Where value is expressed as less than (<), the value is halved and used in the calculations

(5) * = 30 day rolling average

Report Date: November 29, 2024